

DECLARATION FOR PATENT APPLICATION

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "Beta-expansins as cell wall loosening agents, compositions thereof and methods of use"

(check one) ☐ is attached hereto.
☒ was filed on 05/01/98, as United States Application Number 09/071,252 or PCT
International Application Number and was amended on
(if applicable).

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed

(Number)	(Country)	(Day/Month/Year Filed)	[]
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60/0045445 05/02/97
(Application Number) (Filing Date)

(Application Number) (Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number)	(Filing Date)	(Status-patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status-patented, pending, abandoned)

DECLARATION FOR PATENT APPLICATION

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

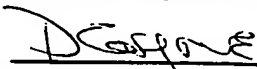
Thomas J. Monahan, Reg. No. 29,835; Nada Jain, Reg. No. 41,431

Address all telephone calls to Thomas J. Monahan at telephone no. 814-865-6279.

Address all correspondence to Intellectual Property Office
The Pennsylvania State University
113 Technology Center
University Park, PA 16802

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name): Daniel J. Cosgrove

Inventor's signature:  Date: 17 Jul 58
Residence: Pennsylvania Furnace, Pennsylvania Citizenship: USA
Post Office Address: 602 Wvandotte Lane, Pennsylvania Furnace, PA 16865

Full name of second joint inventor, if any (given name, family name): _____

Second Inventor's signature: _____ Date: _____
Residence: _____ Citizenship: _____
Post Office Address: _____

Full name of third joint inventor, if any (given name, family name): _____

Third Inventor's signature: _____ Date: _____
Residence: _____ Citizenship: _____
Post Office Address: _____

Full name of fourth joint inventor, if any (given name, family name): _____

Fourth Inventor's signature: _____ Date: _____
Residence: _____ Citizenship: _____
Post Office Address: _____

Full name of fifth joint inventor, if any (given name, family name): _____

Fifth Inventor's signature: _____ Date: _____
Residence: _____ Citizenship: _____
Post Office Address: _____

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Daniel J. Cosgrove

Application No./Patent No.: 09/071,252

Filed/Issue Date: May 1, 1998

Entitled: BETA-EXPANSINS AS CELL WALL LOOSENING AGENTS, COMPOSITIONS THEREOF AND...

The Penn State Research Foundation, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Daniel J. Cosgrove To: The Penn State Research Foundation

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

12/9/03

Date

Heidi S. Nebel

Typed or printed name

Signature

Attorney of Record

Title

ASSIGNMENT

FOR VALUE RECEIVED, I, DANIEL J. COSGROVE

hereby sell, assign and transfer unto THE PENN STATE RESEARCH FOUNDATION

as assignee, and its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by me and disclosed and claimed in an application for Letters Patent of the United States of America, entitled:

"BETA-EXPANSINS AS CELL WALL LOOSENING AGENTS, COMPOSITIONS THEREOF AND METHODS OF USE"

signed by me on the date set forth below; and in and to any and all divisions, reissues, continuations and extensions thereof; and in and to all corresponding applications for Letters Patent and all Convention and Treaty Rights of any kind, in all countries throughout the world, for all such subject matter.

I request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

I agree that, when requested, I will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

I authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at University Park, Pennsylvania
this 17th day of July, 1998.

Witness: MARK J. PIRRO

Daniel J. Cosgrove
Daniel J. Cosgrove

